

## ABSTRACT

A sealing device has a plurality of L-shaped seals each of which has one round surface and the other flat surface contacted on outer sidewall of the powered rotary cylinder and on outer sidewall of the shell respectively at the intersection. One L-shaped seal is crossed into another L-shaped seal on the sides. The L-shaped seal with a hole on the flat surface is fitted by a slide on the fixed shell. The seals crossed freely on these three-dimensional sealing surfaces (with measures for tension) are arranged in a circumferential direction of the cylinder.